

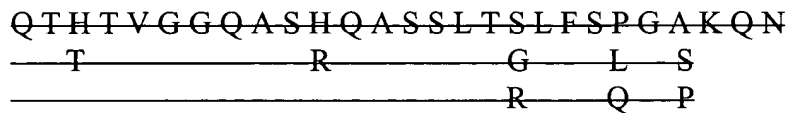
**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

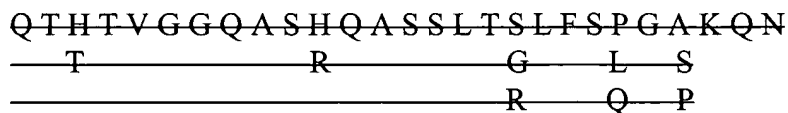
Claims 1-31 (canceled).

Claim 32 (currently amended): A mixture of 108 different peptides, wherein each of said 108 different peptides comprises an amino acid sequence according to the following formula ("Formula II"; SEQ ID NO: 39):



Q T X<sup>1</sup> T V G G Q A S X<sup>2</sup> Q A S S L T X<sup>3</sup> L F S X<sup>4</sup> G X<sup>5</sup> K Q N, wherein  
X<sup>1</sup> is either H or T;  
X<sup>2</sup> is either H or R;  
X<sup>3</sup> is either S, G, or R;  
X<sup>4</sup> is either P, L or Q; and  
X<sup>5</sup> is either A, S, or P.

Claim 33 (currently amended): A composition comprising a plurality of different peptides, wherein each of said ~~plurality of different~~ peptides comprises ~~an~~ a different amino acid sequence provided by Formula II (SEQ ID NO: 39):



Q T X<sup>1</sup> T V G G Q S X<sup>2</sup> Q A S S L T X<sup>3</sup> L F S X<sup>4</sup> G X<sup>5</sup> K Q N, wherein  
X<sup>1</sup> is either H or T;  
X<sup>2</sup> is either H or R;  
X<sup>3</sup> is either S, G, or R;  
X<sup>4</sup> is either P, L or Q; and  
X<sup>5</sup> is either A, S, or P.

Claim 34 (currently amended): A composition according to claim 33, wherein said composition consists of 2 to about 10 of said different peptides ~~having said amino sequence provided by Formula II (SEQ ID NO: 39).~~

Claim 35 (previously presented): A composition according to claim 33, further comprising at least one peptide selected from the group consisting of:

G31 TTHTVGGSVARQVHSLTGLFSPGPQQK (SEQ ID NO: 6)  
F78 QTHTTGGQAGHQAHS�TGLFSPGAKQN (SEQ ID NO: 19)  
R9 QTTVVGGQSHTVRGLTSLFSPGASQN (SEQ ID NO: 10)  
D6 QTTTTGGQVSHATHGLTGLFSLGPQQK (SEQ ID NO: 3)  
M122 QTTTTGGSASHAVSSLTGLFSPGSKQN (SEQ ID NO: 23); and  
H1 QTHTTGGVVGHATSGLTSLFSPGPSQK (SEQ ID NO: 20).

Claim 36 (previously presented): A composition according to claim 35, wherein said composition comprises peptides of SEQ ID NOs: 10, 19, 20, and 3 ("MIX1").

Claim 37 (previously presented): A composition according to claim 35, wherein said composition comprises peptides of SEQ ID NOs: 23 and 6 ("MIX2").

Claim 38 (previously presented): A composition according to claim 35, wherein said composition comprises peptides of SEQ ID NOs: 6, 19, 10, 3, 23 and 20 ("MIX3").

Claims 39 (canceled).

Claim 40 (currently amended): A composition according to claim 33 wherein each of said ~~plurality of different~~ peptides consists of said sequence and a hepatitis C virus E2/NS1 protein with the peptide in the HVR1 position.

Claims 41-42 (canceled).

Claim 44 (previously presented): A composition according to claim 43 wherein said composition further comprises an adjuvant.

Q T H T V G G Q A S H Q A S S L T S L F S P G A K Q N .  
 — T ————— R ————— G — L — S  
 ————— R — Q — P

X<sup>5</sup> is either A, S, or P.

Q T H V T G G S A A R T T S G L T S L F S P G A S Q N  
T T T V V Q G H A A H S V G R L P K K  
R Q V S Q V R R R S S Q  
O

$X^{10}$  is T, A or V.

X<sup>11</sup> is S, H or R,  
X<sup>12</sup> is G, S or R,  
X<sup>13</sup> is T or V,  
X<sup>14</sup> is S, G or R,  
X<sup>15</sup> is S or R,  
X<sup>16</sup> is P, L, S or Q,  
X<sup>17</sup> is A, P or S,  
X<sup>18</sup> is S, K or Q, and  
X<sup>19</sup> is N or K.

Claim 47 (withdrawn): A peptide according to claim 46 with an amino acid sequence selected from the group consisting of:

- 2.11 QTHTVGGVQGRQAHSLTSLFSPGASQN (SEQ ID NO: 2)
- D6 QTTTTGGQVSHATHGLTGLFSLGPQQK (SEQ ID NO: 3)
- D18 QTHTTGGSSASHQASGLTRLFSQGSPSQN (SEQ ID NO: 4)
- F63 QTHVVGGQQGRQVSSLVSLFSPGASQK (SEQ ID NO: 5)
- G31 TTHTVGGSVARQVHSLTGLFSPGPQQK (SEQ ID NO: 6)
- L13 QTHTVGGSQAHAAHSLTRLFSPGSSQN (SEQ ID NO: 7)
- M69 QTTVVGGSQARAAHGLVSLFSLGSKQN (SEQ ID NO: 8)
- Z61 QTHVVGGVQGRQTSGLVGLFSPGSKQN (SEQ ID NO: 9)
- R9 QTTVVGGSQSHTVRGLTSLFSPGASQN (SEQ ID NO: 10)
- B26 TTTTTGGQAGHQAHSLSLTFSPGASQK (SEQ ID NO: 11)
- B22 QTHVVGGVQSHQTSGLTSLFSPGASQK (SEQ ID NO: 12)
- B35 QTHTTGGVQGHQTSRLTSLFSPGPSQN (SEQ ID NO: 13)
- D29 TTTVVGGQAAHQTHSLTSLFSPGAKQN (SEQ ID NO: 14)
- D33 TTTTTGGQQSHTVHGLVGLFSPGSKQN (SEQ ID NO: 15)
- E26 QTHTVGGVQAHTVRGLTSLFSPGSSQN (SEQ ID NO: 16)
- F80 QTHTTGGQAGHTASSLTGLFSPGAKQN (SEQ ID NO: 17)
- F19 QTTTVGGVASHQAHSLSLTFSPGAKQK (SEQ ID NO: 18)
- F78 QTHTTGGQAGHQAHSLSLTFSPGAKQN (SEQ ID NO: 19)
- H1 QTHTTGGVVGHATSGLTSLFSPGPSQK (SEQ ID NO: 20)
- L76 TTTTVGGQASHQTSSLTGLFSPGSKQN (SEQ ID NO: 21)

B24 TTTTVGGQASHTTSSLTGLFSPGASQK (SEQ ID NO: 37)  
 M63 QTHTTGGVVSHQTRSLVGLFSPGPQQN (SEQ ID NO: 38)  
 M27 QTTTTGGVASHAAHRLTSLFSPGPQQK (SEQ ID NO: 22)  
 M122 QTTTTGGSASHAVSSLTGLFSPGSKQN (SEQ ID NO: 23)  
 M129 QTTVVGGSAGHTASSLVGLFSPGSKQN (SEQ ID NO: 24)  
 M119 TTTTVGGQASHTTSSLTGLFSPGSQQN (SEQ ID NO: 25)  
 R5 QTHTTGGQASHQVSSLVSLFSPGAKQK (SEQ ID NO: 26)  
 R6 TTTTTGGQVGHQTSGLTGLFSPGAQQN (SEQ ID NO: 27)  
 R27 TTHVVGGSASHAVRGLTSLFSPGSSQN (SEQ ID NO: 28)

Claim 48 (withdrawn): A peptide of any of the following amino acid sequences:

B14 QTTVTGQASHTTSSLTGLFSPGASQK (SEQ ID NO: 29)  
 B33 ATHATGGQAAHSTHSLTSLFSPGASQK (SEQ ID NO: 30)  
 F81 QTHVTGGSAAHQTGGLTGLFSPGPKQN (SEQ ID NO: 31)  
 B18 QTTVVGGQASHVSRSLTGLFSPGSSQK (SEQ ID NO: 32)  
 E19 TTHTGGQQAHTTSRLVSLFSPGASQK (SEQ ID NO: 36)  
 L72 QTTTAAHTTSGLTGLFSPGAKQN (SEQ ID NO: 33)  
 D20 QTHVTGVAGRQTSGLVSLFSPGSSQN (SEQ ID NO: 34)  
 D30 QGGVQGHTTSSLVGLFSPGSQQN (SEQ ID NO: 35)

Claim 49 (withdrawn): A composition including a peptide selected from the group consisting of

a) a peptide obtainable from a library as claimed in claim 1; and  
 2.11 QTHTVGGVQGRQAHSLSLTFSPGASQN (SEQ ID NO: 2); and  
 D6 QTTTTGGQVSHATHGLTGLFSLGPQQK (SEQ ID NO: 3); and  
 D18 QTHTTGGASASHQASGLTRLFSQGSPSQN (SEQ ID NO: 4); and  
 F63 QTHVVGGQQRQVSSLVSLFSPGASQK (SEQ ID NO: 5); and  
 G31 TTHTVGGSVARQVHSLTGLFSPGPQQK (SEQ ID NO: 6); and  
 L13 QTHTVGGSQAHAAHSLTRLFSPGSSQN (SEQ ID NO: 7); and  
 M69 QTTVVGGSQARAAHGLVSLFSLGSKQN (SEQ ID NO: 8); and

Z61 QTHVVGGVQGRQTSGLVGLFSPGSKQN (SEQ ID NO: 9); and  
R9 QTTVVGGQSHTVRGLTSLFSPGASQN (SEQ ID NO: 10); and  
B26 TTTTGGQAGHQAHSLSLFSPGASQK (SEQ ID NO: 11); and  
B22 QTHVVGGVQSHQTSGLTSLFSPGASQK (SEQ ID NO: 12); and  
B35 QTHTTGGVQGHQTSRLTSLFSPGPSQN (SEQ ID NO: 13); and  
D29 TTTVVGGQAAHQTHSLTSLFSPGAKQN (SEQ ID NO: 14); and  
D33 TTTTGGQQSHTVHGLVGLFSPGSKQN (SEQ ID NO: 15); and  
E26 QTHTVGGVQAHTVRGLTSLFSPGSSQN (SEQ ID NO: 16); and  
F80 QTHTTGGQAGHTASSLTGLFSPGAKQN (SEQ ID NO: 17); and  
F19 QTTTVGGVASHQAHSLSLTGLFSPGAKQK (SEQ ID NO: 18); and  
F78 QTHTTGGQAGHQAHSLSLTGLFSPGAKQN (SEQ ID NO: 19); and  
H1 QTHTTGGVVGHATSGLTSLFSPGPSQK (SEQ ID NO: 21); and  
L76 TTTTVGGQASHQTSSLTGLFSPGSKQN (SEQ ID NO: 37); and  
B24 TTTTVGGQASHTTSSLTGLFSPGASQK (SEQ ID NO: 38); and  
M63 QTHTTGGVVSHQTRSLVGLFSPGPQQN (SEQ ID NO: 22); and  
M27 QTTTGGVASHAAHRLTSLFSPGPQQK (SEQ ID NO: 23); and  
M122 QTTTGGSSASHAVSSLTGLFSPGSKQN (SEQ ID NO: 24); and  
M129 QTTVVGGSSAGHTASSLVGLFSPGSKQN (SEQ ID NO: 25); and  
M119 TTTTVGGQASHTTSSLTGLFSPGSQQN (SEQ ID NO: 26); and  
R5 QTHTTGGQASHQVSSLVSLFSPGAKQK (SEQ ID NO: 27); and  
R6 TTTTGGQVGHQTSGLTGLFSPGAQQN (SEQ ID NO: 28); and  
R27 TTHVVGGSSASHAVRGLTSLFSPGSSQN (SEQ ID NO: 29); and  
B14 QTTVTGQASHTTSSLTGLFSPGASQK (SEQ ID NO: 29); and  
B33 ATHATGGQAAHSTHSLTSLFSPGASQK (SEQ ID NO: 30); and  
F81 QTHVTGGSAAHQTGGLTGLFSPGPKQN (SEQ ID NO: 31); and  
B18 QTTVVGGQASHVSRLTGLFSPGSSQK (SEQ ID NO: 32); and  
E19 TTHTGGQQAHTTSRLVSLFSPGASQK (SEQ ID NO: 36); and  
L72 QTTTAAHTTSGLTGLFSPGAKQN (SEQ ID NO: 33); and  
D20 QTHVTGVAGRQTSGLVSLFSPGSSQN (SEQ ID NO: 34); and  
D30 QGGVQGHTTSSLVGLFSPGSQQN (SEQ ID NO: 35).

Claim 50 (withdrawn): A composition including a plurality of peptides according to claim 49.

Claim 51 (withdrawn): A composition according to claim 50 including 2 to about 10 different peptides.

Claim 52 (withdrawn): A composition according to claim 50 wherein one or more of said peptides is in a fusion with additional amino acids.

Claim 53 (withdrawn): A composition according to claim 52 wherein said fusion includes HCV E2/NS1 protein with the peptide in the HVR1 position.

Claim 54 (withdrawn): A composition according to claim 53 wherein said fusion is included in a recombinant HCV.

Claim 55 (withdrawn): A composition according to claim 49 including at least one additional component.

Claim 56 (withdrawn): A composition according to claim 55 wherein said composition includes a pharmaceutically acceptable excipient.

Claim 57 (withdrawn): A composition according to claim 55 wherein said composition includes an adjuvant.

Claims 58-96 (canceled).

Claim 97 (currently amended): The composition of claim 33, wherein each of said different peptides consists of said different amino acid sequence.

Claim 98 (previously presented): The peptide of claim 45, wherein said peptide consists of said amino acid sequence.

Claim 99 (previously presented): The peptide of claim 46, wherein said peptide consists of said amino acid sequence.